

Date: _____

Grade 7: Math

1.8: Order of Operations

- **In Math we use the following operations:**

- **BEDMAS** helps us to determine the _____ of operations.

1. B = _____ $(1+4) \times 2$

2. E = _____ $11 + 2 - 5^2$

3. D = _____ $1 - 4 \div 2 + 12$

4. M = _____ $1 - 8 \times 4$

5. A = _____ $12 + 4$

6. S = _____ $15 - 6$

- For each expression below determine which operation should be done first.

1. $2.1 + 3 \times 1.2$

2. $3.2 \times (4.2 - 0.2)$

3. $15.31 + 4.5^2$

4. $3.1 + 3.4 \div 0.0017$

5. $4.2 \times (6.2 - 0.78)$

6. $71.31 + 3.5^2$

7. $(12.1 + 3.4) \div 0.0017$

8. $13.1 + 31.4 \div 0.3017$

9. $2.1 + 3 \times 1.2$

10. $3.2 \times (4.2 - 0.2)$

11. $(1 + 15 \times 31) + 4.5^2$

12. $3.1 \times 3.4 \div 0.2015$

Grade 7 Math

Class Handout 1.8

- Using BEDMAS solve the following expressions.

1) $1.2 + 2 \times 5$

2) $(6.4 + 3.5) \div 0.9$

3) $0.5^2 - 0.005$

4) $4.8 \div (5.3 - 2.9)$

5) $0.85 \times 0.02 \div 0.08$

6) $3^2 \times 0.21 - 1.09$

7) $(3+0.29)^2$

8) $4.8 \div 0.04 + 0.07$

9) $(0.24+0.36) - 5^2$

10) $1.1 \times 8 \div 4$

11) $(2.1 \div 3)^2$

12) $8.1 \div 0.09 + 1.3$

- Solve using BEDMAS

1) $9.2 + 2 \times 5$

2) $(5.8 + 6.8) \div 0.9$

3) $1.5^2 - 0.009$

4) $14.4 \div (16.3 - 13.9)$

5) $0.45 \times 0.02 \div 0.03$

6) $4.3^2 \times 0.11 - 4.59$

7) $(1.39 + 0.29)^2$

8) $5 \times 2 \div 0.04 + 0.07$

9) $(0.24+0.36) - 5^2$

10) $(5.1 \div 3) - (7 \div 0.2)$

11) $(15 - 0.4 \times 2) + 7.1$

12) $7.1 - 2^3 \times 3 \div (8 - 2)$

- Extra Problems

1) $19.4 + 3 \times 1.22$

2) $(5.5 + 3.4) \div 0.9$

3) $4.8 \div (5.3 - 2.9)$

4) $9.5^2 - 0.899$

5) $1 + (0.64+0.36) - 5^2$

6) $4^2 \times 0.31 - 5.02$

7) $(3+0.29)^2$

8) $9.6 \div 0.04 + 0.63$

9) $0.56 \times 0.02 \div 0.08$

10) $(1.1 \div 11) + (8 \div 0.2)^2$

11) $(13 - 0.2 \times 12) + 4.1$

12) $4.1 - 4^3 \times 3 \div (4 - 2)$

- Homework: Textbook page 155 #1-5 and complete this handout.